

ILLEGIB

Approved For Release 2004/05/05 : CIA-RDP78T05439A000300390047-9

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TOP SECRET [REDACTED]

[REDACTED]  
IB -266/64  
17 June 1964  
Copy # [REDACTED]

MEMORANDUM FOR: Chief, Resources Division, ORR  
ATTENTION : [REDACTED]  
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS  
FROM : Chief, CIA/PID (NPIC)  
SUBJECT : Kamensk-Uralskiy Aluminum Combine  
REFERENCES : (1) ORR Requirement No. C-RR4-81,189  
(2) CIA/PID Project No. C 524-64

1. This memorandum is in response to the referenced requirement which asks for a description of both the aluminum and alumina production facilities at the Kamensk-Uralskiy Aluminum Combine.

2. Photography from [REDACTED]

[REDACTED], was used for this study. The enclosed graphics, [REDACTED]  
[REDACTED] are from these missions.

3. The aluminum reduction section of the subject plant consists of eight pot rooms (four 560 by 120 feet three 500 by 120 feet, and one 500 by 135 feet), two casting buildings (555 by 85 feet and 500 by 120 feet), and two rectifier buildings. No transformer yard is present as electric power is supplied by the adjacent Kamensk-Uralskiy Heat and Power Plant, TETS Krasn, which is an integral part of the combine. A carbon paste plant is also located adjacent to the pot rooms. There was no indications of expansion to the aluminum reduction section.

4. For two reasons a detailed analysis of the alumina processing section could not be made; first, equipment which frequently is observed in the open, is housed at this plant and second, the photographic coverage was not of the best quality. See [REDACTED] for analysis of the alumina facilities.

It could be determined that there are two complete alumina plants or production lines. Facilities from ore handling through calcining are duplicated. Pipelines interconnect the two production lines so materials can be interchanged from line to line.

Reviewed by NGA.

TOP SECRET [REDACTED]

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

S-13222

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[REDACTED]

SUBJECT: Kamenok-Uralskiy Aluminum Combine

In the ore processing section, what appears to be conveyors have been installed in the interval between the two missions; however, no major expansion program was observed [REDACTED]

5. The photo analyst assigned to this project was [REDACTED] who can be contacted on extension [REDACTED] should any questions arise concerning this project. This memorandum and enclosed graphics completes this requirement.

[REDACTED]

Enclosures:

2 - Annotated Photographic Enlarger

[REDACTED]

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KAMENSK-URALSKIY HEAT AND POWER PLANT,  
TETS, KRASN


LEGEND

- |   |                          |
|---|--------------------------|
| 1. Ore Processing                         | 10. Two Pot Rooms        |
| 2. Caustic Concentration                  | 11. Casting              |
| 3. Autoclave, Filter and<br>Precipitation | 12. Casting              |
| 4. Calcining                              | 13. Rectifiers           |
| 5. Alumina Storage                        | 14. Unidentified         |
| 6. Carbon Paste Plant                     | 15. Unidentified Section |
| 7. Two Pot Rooms                          | 16. Coal                 |
| 8. Two Pot Rooms                          | 17. Red Mud Lake         |
| 9. Two Pot Rooms                          |                          |

KAMENSK-URALSKIY ALUMINUM COMBINE  
56 22N - 61 58E

KAMENSK-URALSKIY  
AIRCRAFT PARTS PLANT 208

S-1322.2



NEW CONVEYORS

KAMENSK-URALSKIY ALUMINUM COMBINE  
56 21N - 61 58E

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